



February 10, 2011
Project No. 8128.01.08

Mr. Dana Bayuk
Oregon Department of Environmental Quality
2020 SW 4th Avenue
Portland, Oregon

Re: Monthly Progress Report – January 2011
Siltronic Corporation
7200 NW Front Avenue, Portland, OR
ECSI #183

Dear Dana:

Maul Foster & Alongi, Inc. (MFA) has prepared this progress report (Report) in accordance with the requirements of the *Order Requiring Remedial Investigation (RI) and Source Control Measures* (the Order), Oregon Department of Environmental Quality (DEQ) No. VC-NWR-03-16, issued to Siltronic Corporation (Siltronic) on February 9, 2004. The reporting period for this Report is January 1, 2011, through January 31, 2011. The next report is due March 10, 2011.

The report organization follows that of the previous progress reports.

ACTIONS TAKEN UNDER THE ORDER SINCE THE PREVIOUS PROGRESS REPORT

Communications

In January, MFA submitted the following:

- To DEQ, a Memorandum re: Delineation Results and Proposed Approach for the Supplemental Injection Area (January 12, 2011).
- To DEQ, a Memorandum re: EIB Implementation Data (January 12, 2011).
- To DEQ and USEPA, a Memorandum re: Recommended RBCs for Certain CVOCs for Characterizing Dredged Sediment from Gasco Sediments Site Pursuant to Statement of Work (January 13, 2011).
- To DEQ and USEPA, a Memorandum re: ISCR-Enhanced Bioremediation Performance Monitoring Data Submittal – DNAPL and Groundwater Data – WS-33-81 (January 17, 2011).

On January 19, 2011, DEQ confirmed receipt of the above submittals and noted that approval of the next step for the supplemental injection program (i.e., review and approval of the additional monitoring well locations) would likely occur via telephone conference.

Fieldwork

Delineation work in support of the Supplemental Injection program was completed in early December. The results are being evaluated by DEQ.

Group 3 PMW sampling continued through January. Monthly water levels were collected on January 17, 2011. The monthly water levels are included in a MS Excel worksheet (attached).¹

Measurements of dense, non-aqueous phase liquid (DNAPL) from former manufactured gas plant (MGP) operations were collected in selected Group 1 and 2 PMWs on January 17, 2010. DNAPL was not detected in the PMWs with one exception. MGP DNAPL was estimated (based upon staining on the bailer only) in WS-33-81 (approximate MGP DNAPL thickness: 0.1 ft), and a sample was collected and submitted for analysis consistent with previous MGP DNAPL sampling.

EHC materials for the supplemental injection program were received at the site.

Actions to Be Taken in the Next Two Months

Groundwater elevations and DNAPL thickness measurements will be collected in February and March. Performance monitoring in the Group1, 2 and 3 wells will continue in February. Quarterly groundwater monitoring will continue in February.

As noted in the Memorandum re: Delineation Results, MFA recommends moving forward with the additional well installation in the supplemental injection area, with injections to follow.

TEST RESULTS AND DATA RECEIVED SINCE THE PREVIOUS PROGRESS REPORT

Data through the January 2011 sampling events has been received but validation is not yet complete. Consistent with DEQ comments, the content and format of data submittal memoranda evaluating these data will be developed following DEQ review of the updated and revised PMP.

¹ Includes monthly water levels from January 2011; water levels from preceding years have previously been submitted.

The attached (electronic only) MS Excel data file contains all PMW and quarterly monitoring data received and validated through the end of the reporting period (January 31, 2011). As noted previously, RAO 1 for the source area has been met in all of the Group 1 and 2 PMWs.

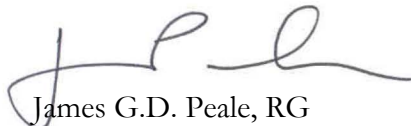
PROBLEMS EXPERIENCED SINCE THE PREVIOUS PROGRESS REPORT

No additional problems were experienced since the previous progress report.


Please call either of us at (971) 544-2139 if you have questions or comments.

Sincerely,

Maul Foster & Alongi, Inc.



James G.D. Peale, RG
Senior Hydrogeologist



Ted Wall, PE
Oregon Operations Director

Attachments: PMW and Quarterly Data received through January 31, 2011;
Water Levels January 2011 (MS Excel—electronic only)

cc: Tom McCue, Siltronic Corporation (electronic and hard copy)
Alan Gladstone, Davis Rothwell Earle and Xochihua (electronic and hard copy)
Chris Reive, Jordan Schrader Ramis (electronic and hard copy)
Jim Anderson, DEQ (electronic)
Kristine Koch, EPA (electronic)
Sean Sheldrake, EPA Seattle (electronic)
Rene Fuentes, EPA Seattle (electronic)
Eric Blischke, EPA Portland (electronic)
Chip Humphrey, EPA Portland (electronic)
Lance Peterson, CDM (electronic)
Bob Wyatt, NW Natural (electronic)
Patty Dost, Pearl Legal Group LLC (electronic)
John Edwards, Anchor QEA LLC (electronic)
Carl Stivers, Anchor QEA LLC (electronic)
Rob Ede, Hahn and Associates, Inc. (electronic)
Tom Gainer, DEQ (electronic)
Henning Larsen, DEQ (electronic)
Matt McClincy, DEQ (electronic)

SITE	DATE	MP ELEVATION (feet)	TIME	DEPTH TO WATER (feet)	DELTA WATER ELEV (feet)	WATER ELEV. (feet)
WR-STAGE	1/17/2011	0.00	13:00	-13.91	NA	13.91
WS-10-27	1/17/2011	33.45	16:12	11.68	NA	21.77
WS-11-125	1/17/2011	31.98	10:19	18.51	NA	13.47
WS-11-161	1/17/2011	32.00	10:14	18.42	NA	13.58
WS-12-125	1/17/2011	32.91	10:09	19.29	NA	13.62
WS-12-161	1/17/2011	32.92	10:05	19.43	NA	13.49
WS-13-105	1/17/2011	33.09	15:59	19.18	NA	13.91
WS-13-69	1/17/2011	33.17	16:01	19.20	NA	13.97
WS-14-125	1/17/2011	32.21	11:59	19.14	NA	13.07
WS-14-161	1/17/2011	32.27	11:50	18.56	NA	13.71
WS-15-140	1/17/2011	33.02	12:23	19.25	NA	13.77
WS-15-85	1/17/2011	32.98	12:34	19.16	NA	13.82
WS-16-125	1/17/2011	32.93	12:16	19.29	NA	13.64
WS-16-161	1/17/2011	33.03	12:10	19.21	NA	13.82
WS-17-52	1/17/2011	33.68	16:11	18.25	NA	15.43
WS-17-94	1/17/2011	33.78	16:10	20.25	NA	13.53
WS-18-101	1/17/2011	33.98	15:16	21.10	NA	12.88
WS-18-71	1/17/2011	33.93	15:22	20.62	NA	13.31
WS-19-101	1/17/2011	33.79	15:29	21.56	NA	12.23
WS-19-71	1/17/2011	33.74	15:34	20.96	NA	12.78
WS-20-112	1/17/2011	32.09	10:30	17.89	NA	14.20
WS-21-112	1/17/2011	34.47	11:09	19.95	NA	14.52
WS-21-131	1/17/2011	33.74	11:04	20.03	NA	13.71
WS-22-112	1/17/2011	33.51	11:15	19.46	NA	14.05
WS-23-116	1/17/2011	32.49	11:31	19.42	NA	13.07
WS-24-111	1/17/2011	33.73	11:24	20.10	NA	13.63

MP - Measuring point.
Elevations in feet relative to mean sea level (NGVD 29).

SITE	DATE	MP ELEVATION (feet)	TIME	DEPTH TO WATER (feet)	DELTA WATER ELEV (feet)	WATER ELEV. (feet)
WS-24-126	1/17/2011	33.76	11:20	20.09	NA	13.67
WS-24-155	1/17/2011	33.75	11:27	28.85	NA	4.90
WS-25-111	1/17/2011	34.01	10:56	20.34	NA	13.67
WS-25-96	1/17/2011	34.13	10:59	20.46	NA	13.67
WS-26-116	1/17/2011	33.56	10:41	19.86	NA	13.70
WS-26-86	1/17/2011	33.32	10:52	19.72	NA	13.60
WS-27-86	1/17/2011	33.93	10:35	20.26	NA	13.67
WS-30-96	1/17/2011	33.40	12:45	20.55	NA	12.85
WS-31-106	1/17/2011	33.11	14:20	20.40	NA	12.71
WS-32-106	1/17/2011	33.17	13:45	20.85	NA	12.32
WS-32-76	1/17/2011	33.08	13:59	20.41	NA	12.67
WS-33-106	1/17/2011	33.74	13:10	21.30	NA	12.44
WS-33-81	1/17/2011	33.74	13:30	21.01	NA	12.73
WS-34-106	1/17/2011	33.29	15:01	21.19	NA	12.10
WS-34-71	1/17/2011	33.36	15:12	21.36	NA	12.00
WS-35-106	1/17/2011	33.59	14:40	20.29	NA	13.30
WS-35-76	1/17/2011	33.68	14:50	23.01	NA	10.67
WS-36-106	1/17/2011	34.49	13:50	21.20	NA	13.29
WS-36-81	1/17/2011	34.47	14:20	22.41	NA	12.06
WS-37-51	1/17/2011	33.58	15:51	21.86	NA	11.72
WS-38-61	1/17/2011	33.72	15:45	21.15	NA	12.57
WS-39-101	1/17/2011	34.04	13:00	20.78	NA	13.26
WS-8-33	1/17/2011	32.96	9:56	23.43	NA	9.53
WS-8-59	1/17/2011	32.84	9:53	19.65	NA	13.19
WS-9-34	1/17/2011	32.28	9:42	20.87	NA	11.41

MP - Measuring point.
Elevations in feet relative to mean sea level (NGVD 29).